



Appendix I: Test Data for E-UTRA Band 12

Product Name: Smartphone

Test Model: CG65

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu





I.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.97	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.15	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.12	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.35	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.99	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.24	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.07	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.05	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.08	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.03	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.13	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.03	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.08	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.15	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.96	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.12	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.05	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.35	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.98	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.18	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.04	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.03	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.07	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.00	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.10	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.01	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.10	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.99	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.91	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.87	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.04	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.92	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.89	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.03	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.91	PASS



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 Scan code to check authenticity



Band12	1.4MHz	QPSK	23173	3RB#1	23.00	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.91	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.05	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.84	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.04	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.98	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.05	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.31	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.06	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.26	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.09	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.31	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.14	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.23	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.14	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.20	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.14	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.18	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.12	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.14	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.03	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.28	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.02	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.24	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.95	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.18	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.10	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.12	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.07	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.15	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.08	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.08	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.08	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.03	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.03	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.96	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.00	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.92	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.93	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.97	PASS



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Band12	3MHz	QPSK	23165	8RB#0	22.10	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.06	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.08	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.05	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.06	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.12	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.06	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.96	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.99	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.07	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.15	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.20	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.03	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.10	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.17	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.18	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.24	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.18	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.14	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.14	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.17	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.16	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.98	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.26	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.12	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.42	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.95	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.25	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.14	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.11	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.14	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.10	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.04	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.13	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.07	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.08	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.97	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.05	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.09	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.20	PASS





Band12	5MHz	QPSK	23155	1RB#24	22.93	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.02	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.06	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.15	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.11	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.07	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.02	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.08	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.10	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.17	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.02	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.26	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.19	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.37	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.90	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.20	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.16	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.25	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.24	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.22	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.18	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.18	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.22	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.22	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.08	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.29	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.13	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.40	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.98	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.21	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.12	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.18	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.13	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.21	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.10	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.11	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.08	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.10	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.03	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.99	PASS





Band12	10MHz	QPSK	23130	1RB#24	23.09	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.02	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.94	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.90	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.17	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.24	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.17	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.25	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.14	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.17	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.14	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.14	PASS



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I.2 Peak-to-Average Ratio(CCDF)

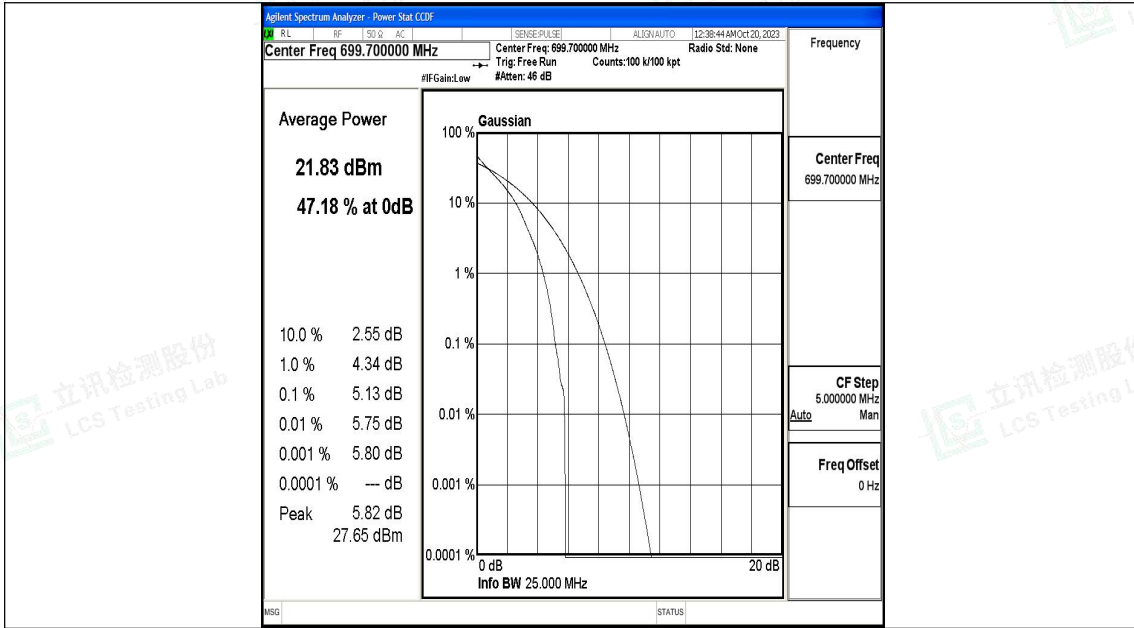
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	5.13	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.00	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.42	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.89	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.02	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.82	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.02	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.23	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.02	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.29	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.14	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.47	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.20	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.34	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.95	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.43	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.11	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.40	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.17	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.41	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.13	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.41	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.18	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.28	13	PASS

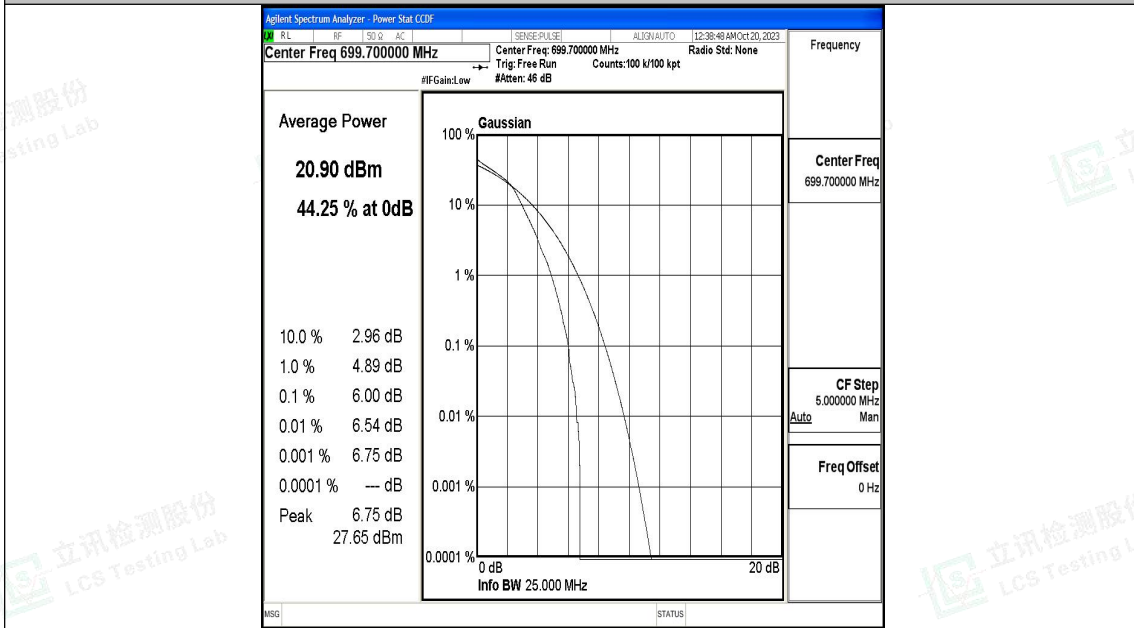




Test Graphs

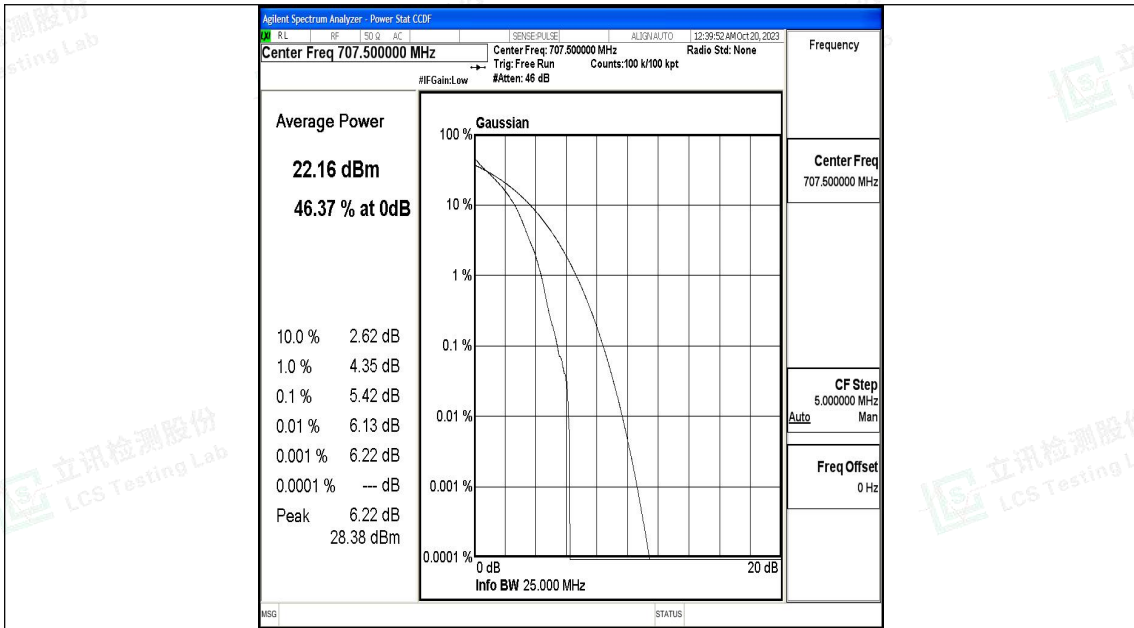


Band12-1.4MHz-QPSK-23017-6RB#0-PASS

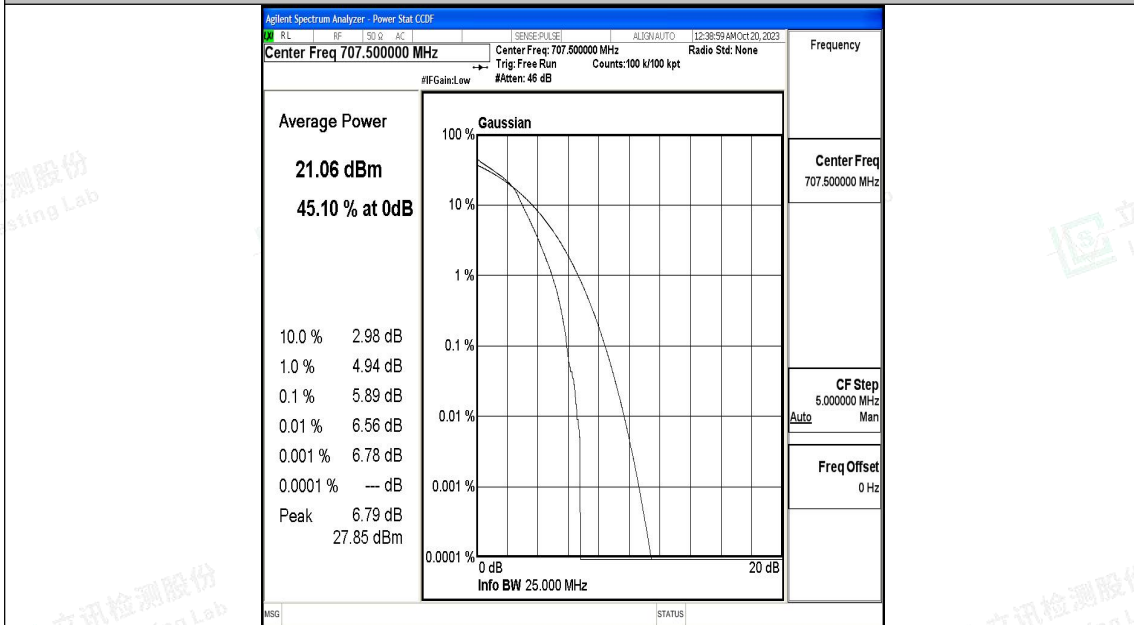


Band12-1.4MHz-16QAM-23017-6RB#0-PASS



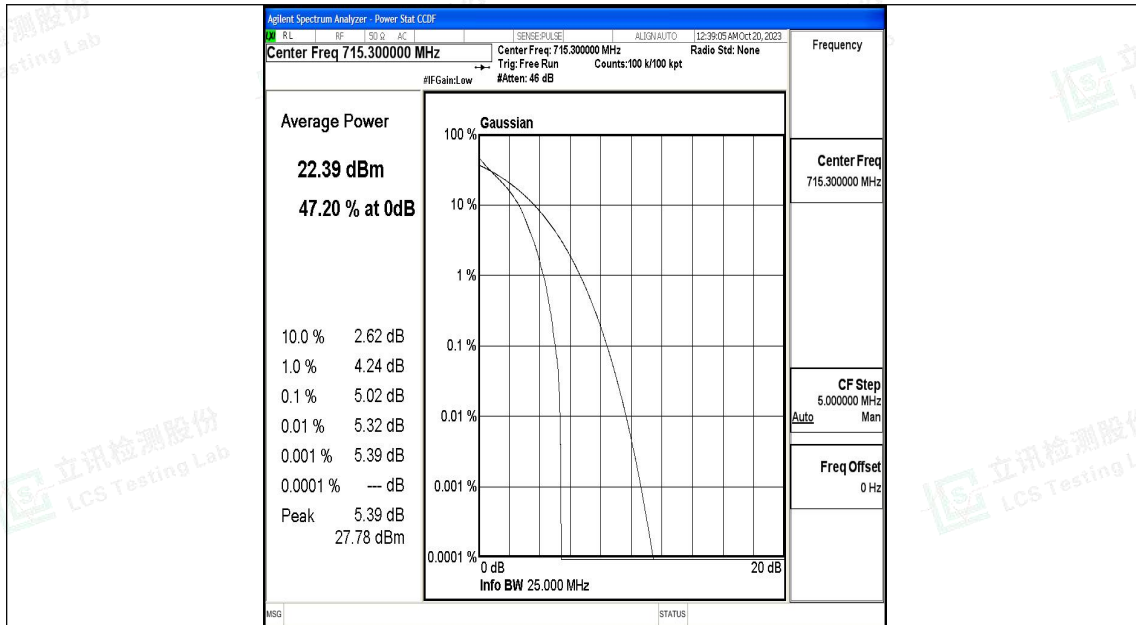


Band12-1.4MHz-QPSK-23095-6RB#0-PASS

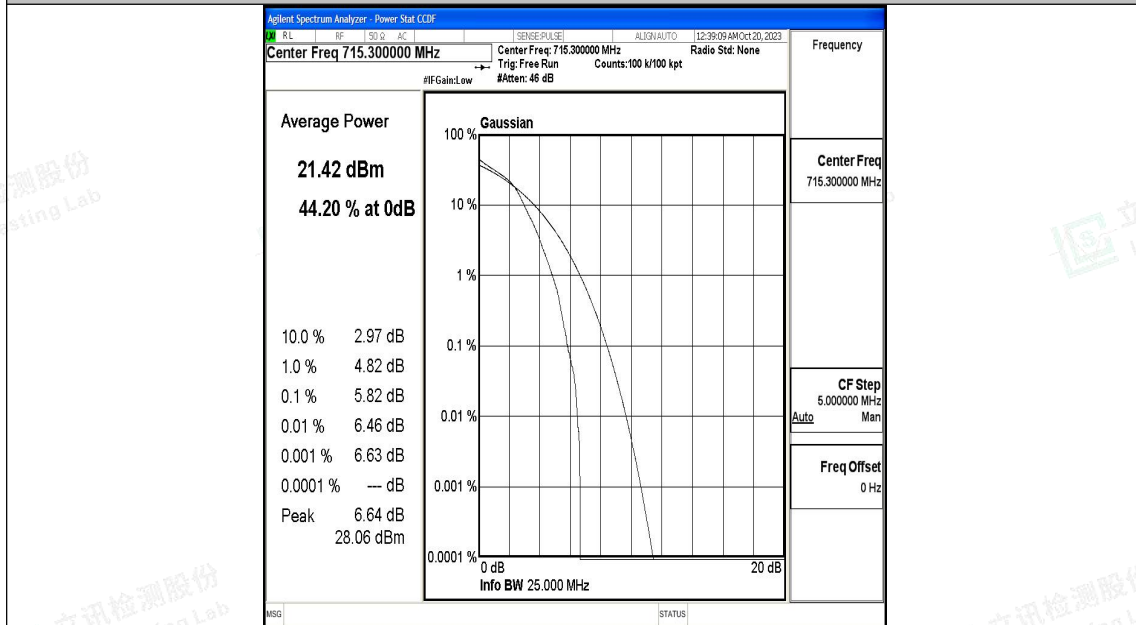


Band12-1.4MHz-16QAM-23095-6RB#0-PASS



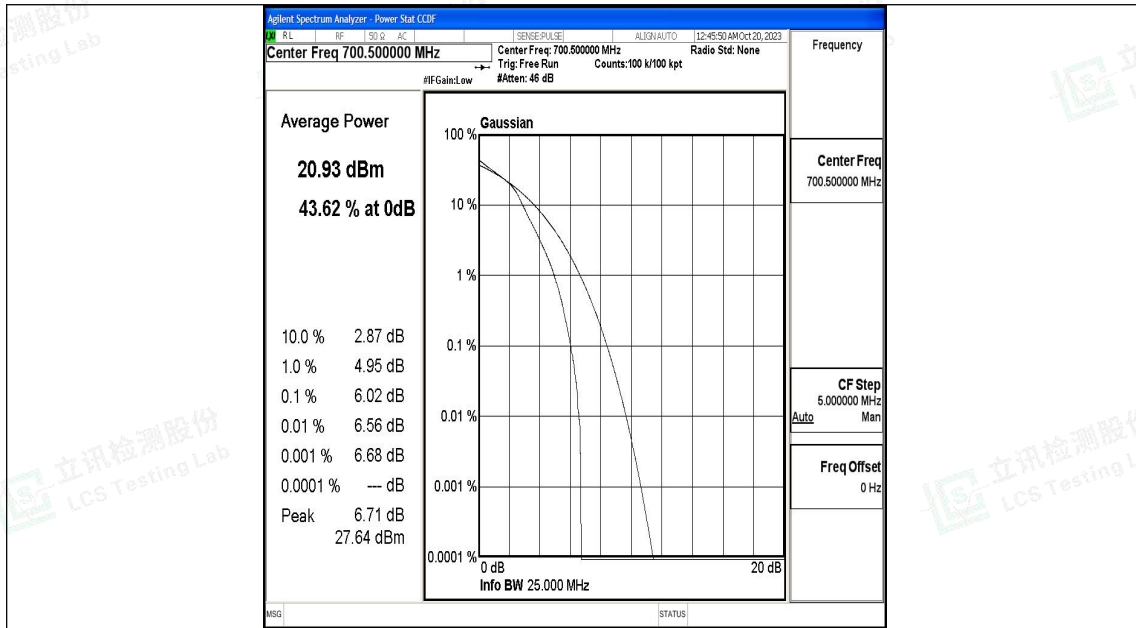


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

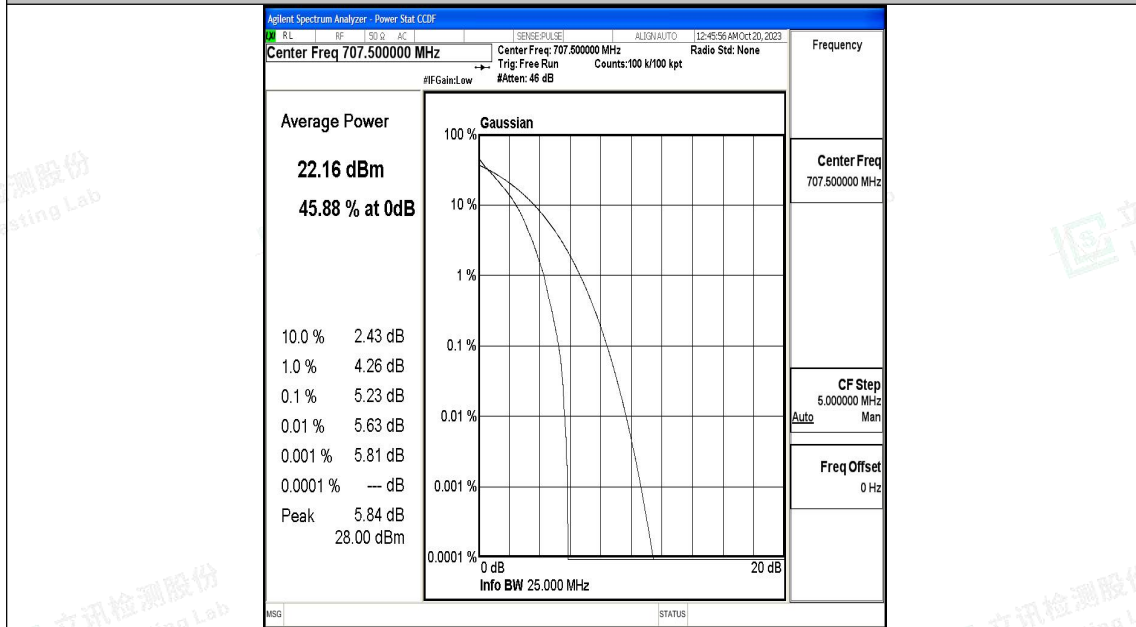


Band12-1.4MHz-16QAM-23173-6RB#0-PASS



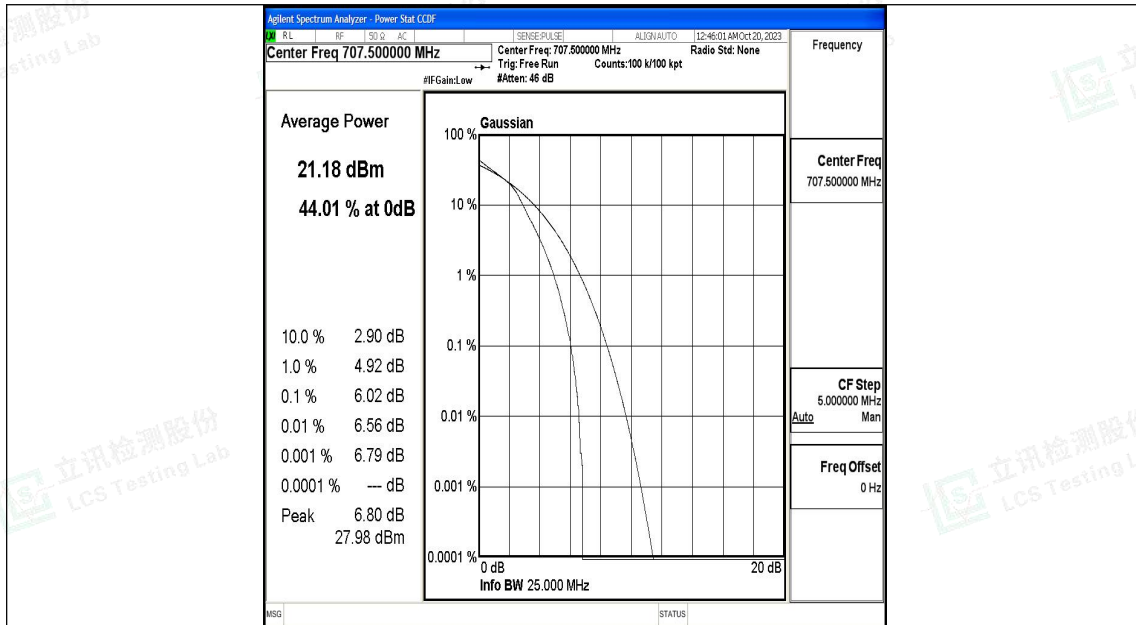


Band12-3MHz-16QAM-23025-15RB#0-PASS

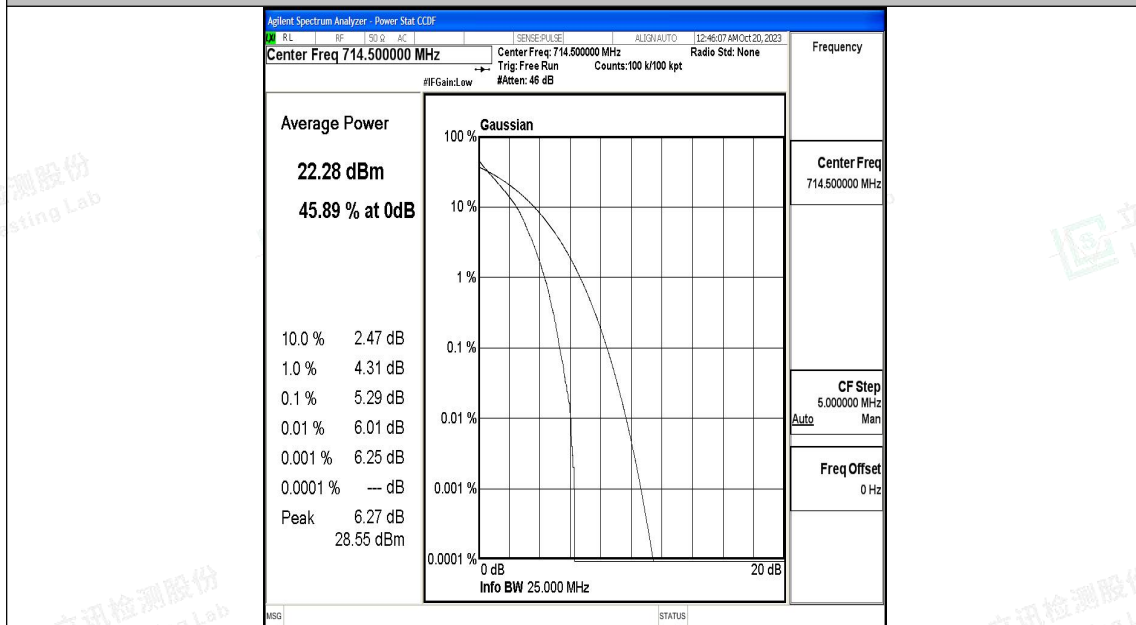


Band12-3MHz-QPSK-23095-15RB#0-PASS



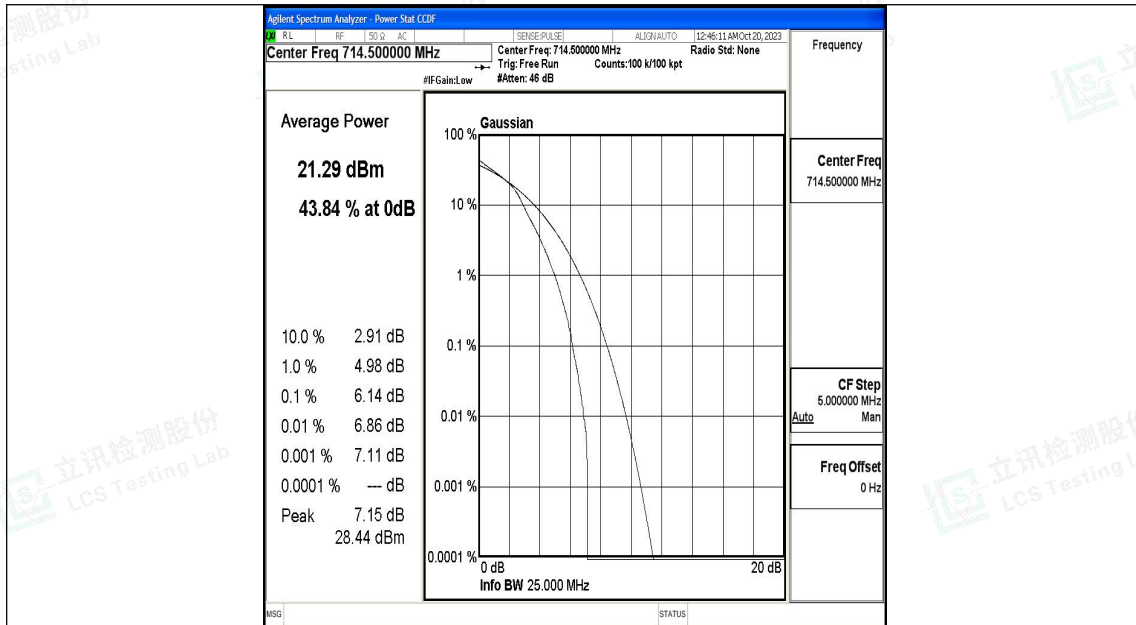


Band12-3MHz-16QAM-23095-15RB#0-PASS

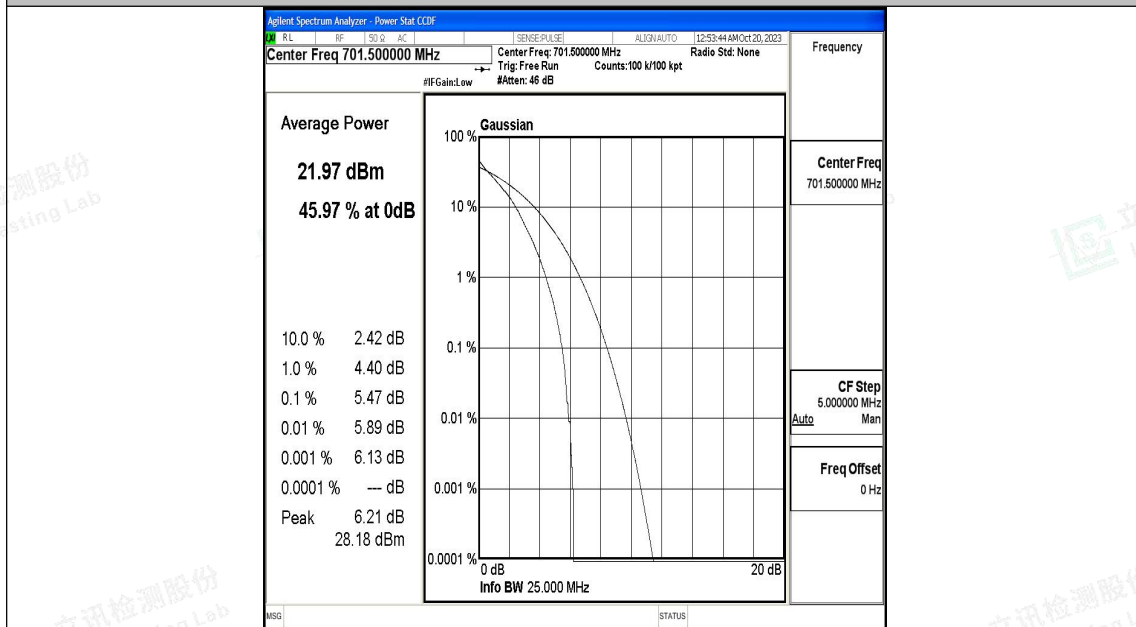


Band12-3MHz-QPSK-23165-15RB#0-PASS



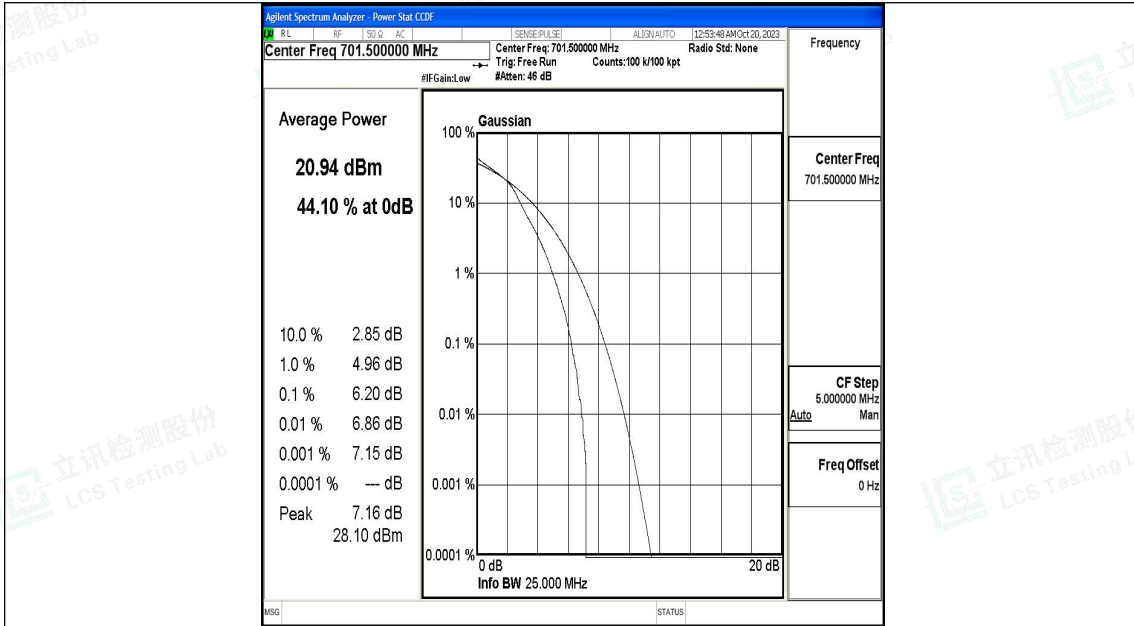


Band12-3MHz-16QAM-23165-15RB#0-PASS

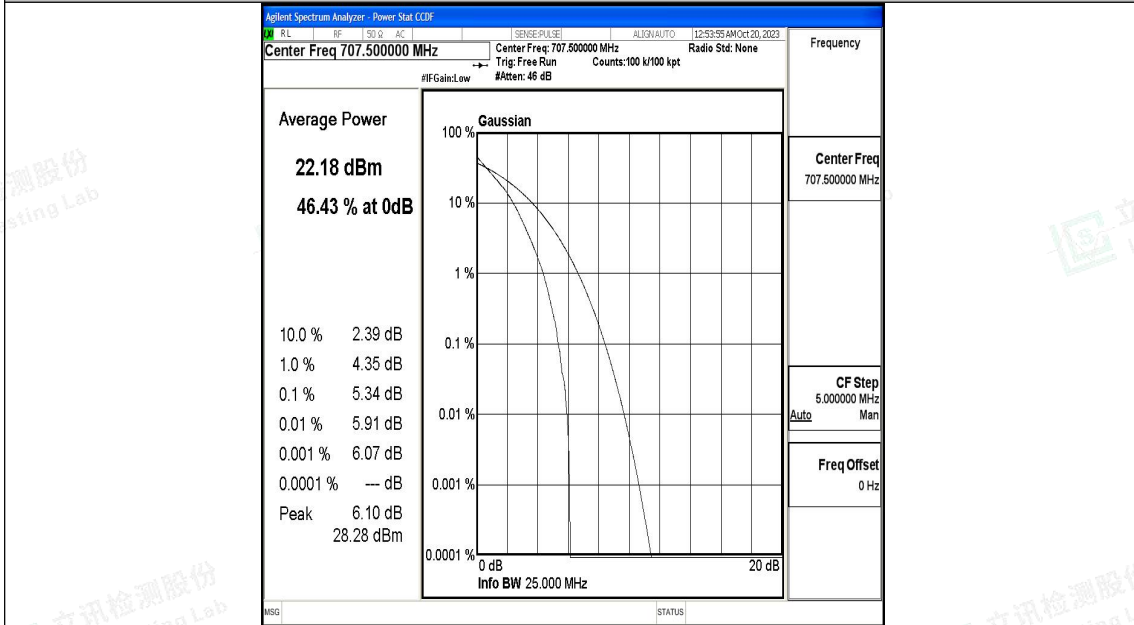


Band12-5MHz-QPSK-23035-25RB#0-PASS



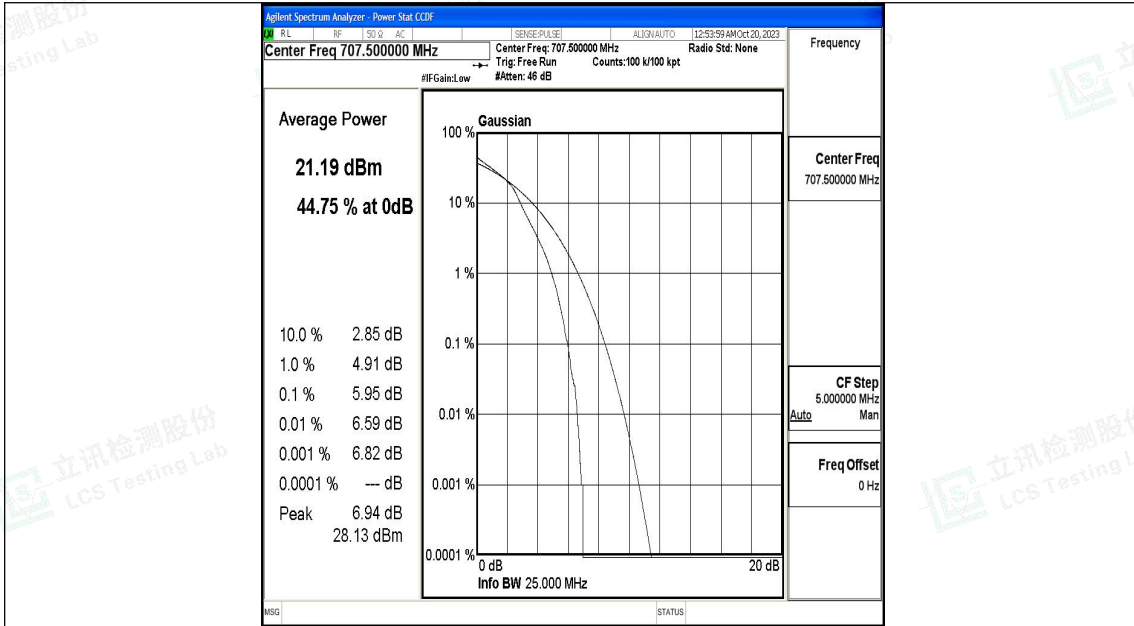


Band12-5MHz-16QAM-23035-25RB#0-PASS

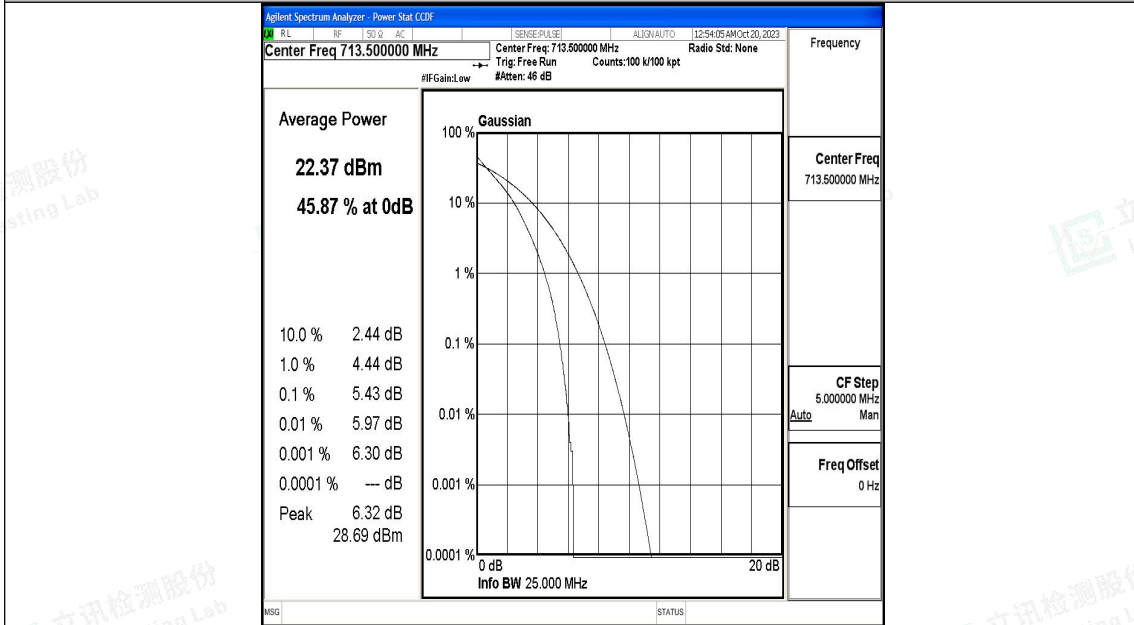


Band12-5MHz-QPSK-23095-25RB#0-PASS



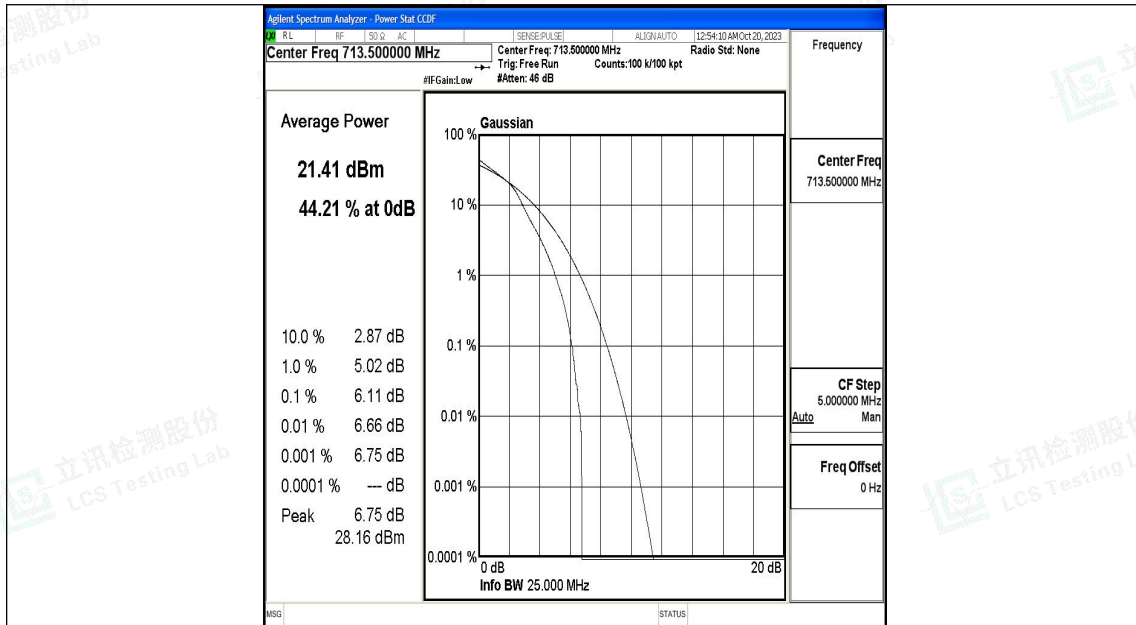


Band12-5MHz-16QAM-23095-25RB#0-PASS

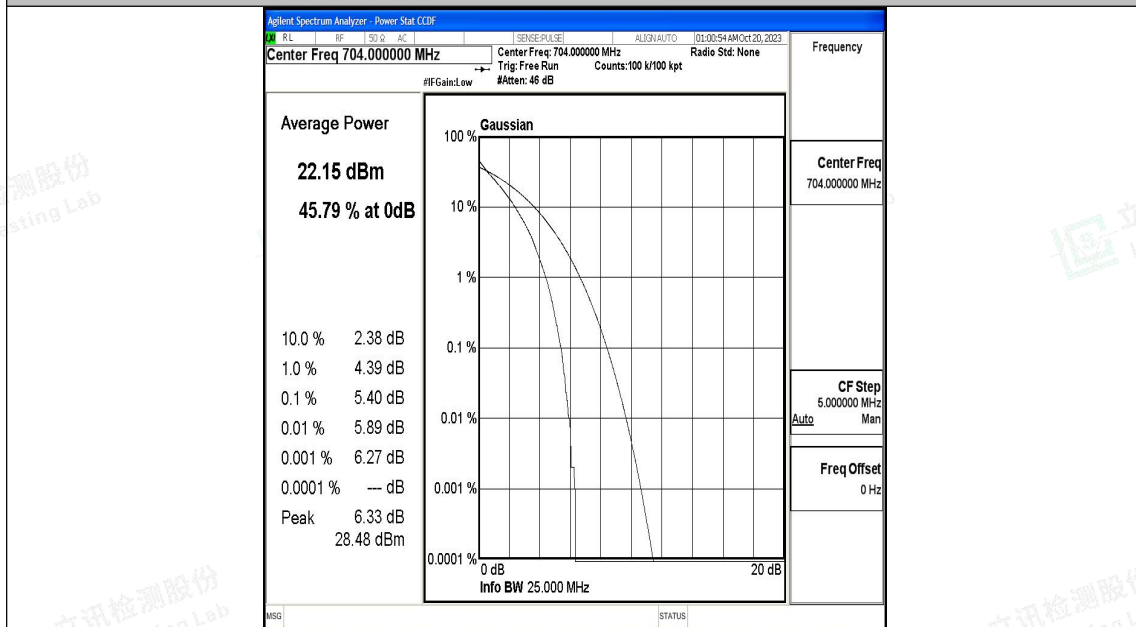


Band12-5MHz-QPSK-23155-25RB#0-PASS



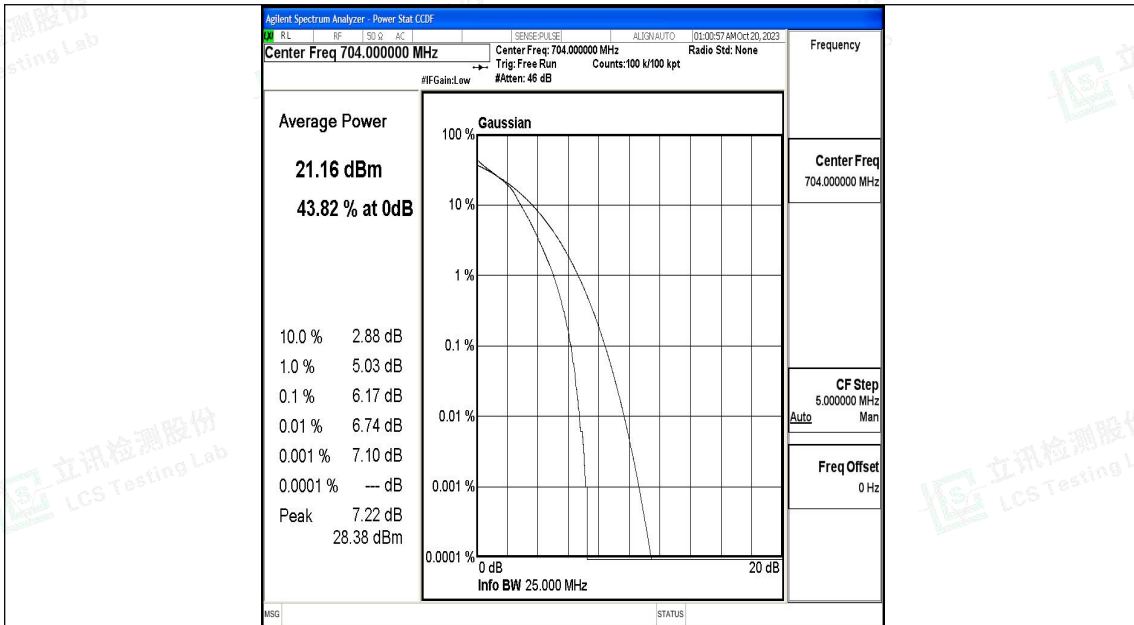


Band12-5MHz-16QAM-23155-25RB#0-PASS

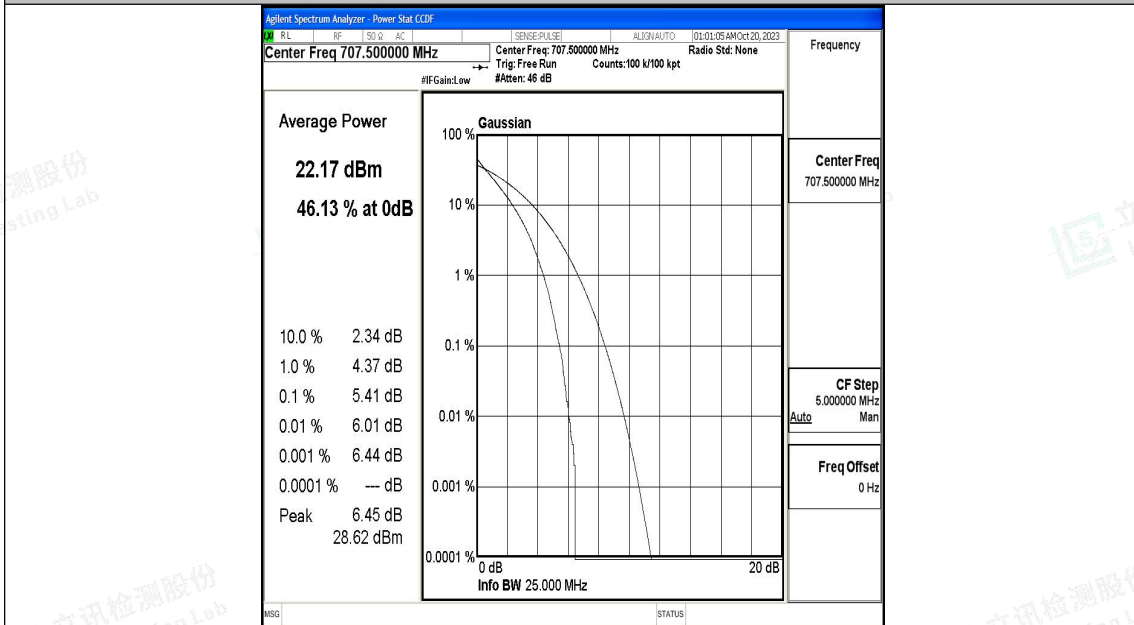


Band12-10MHz-QPSK-23060-50RB#0-PASS



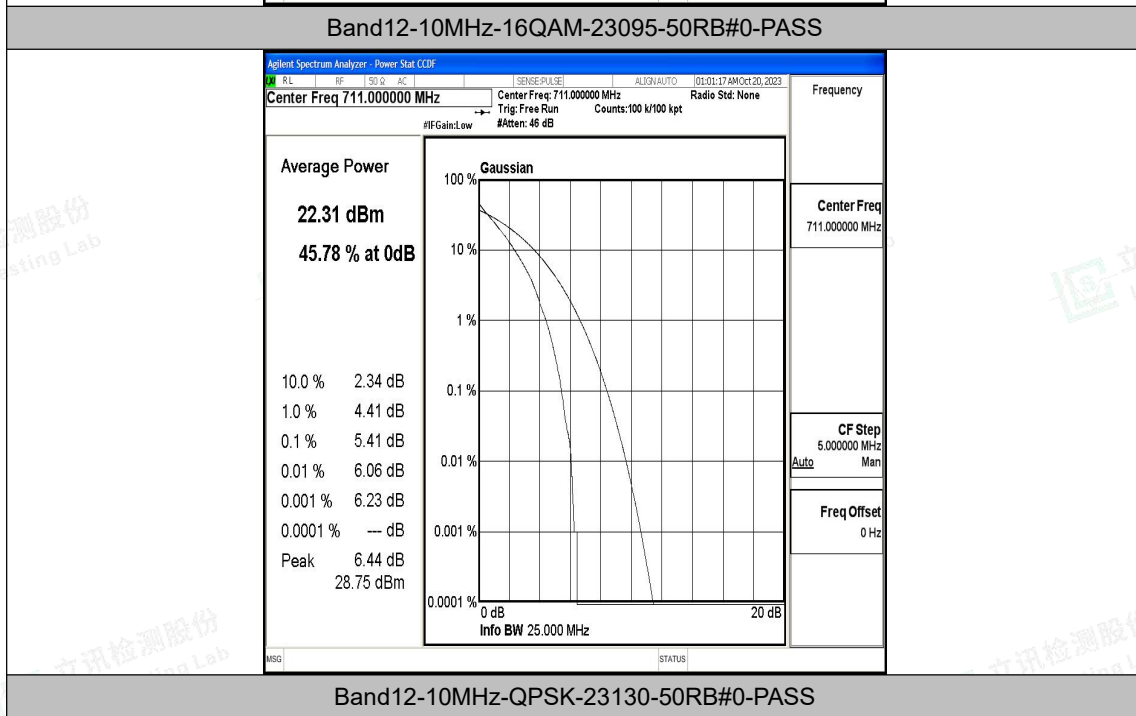
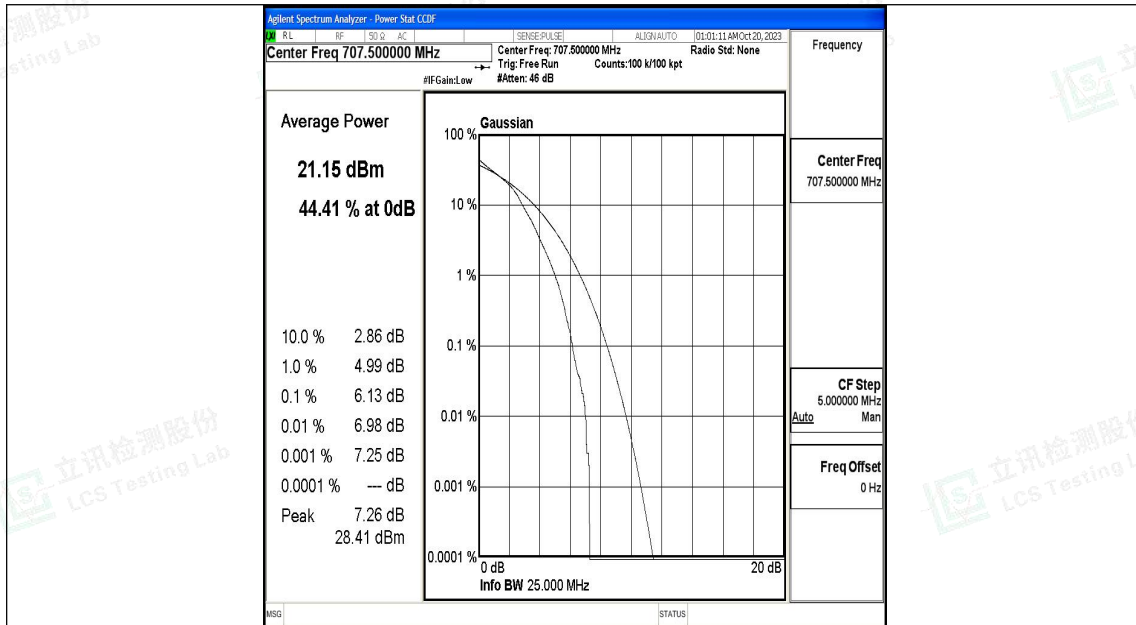


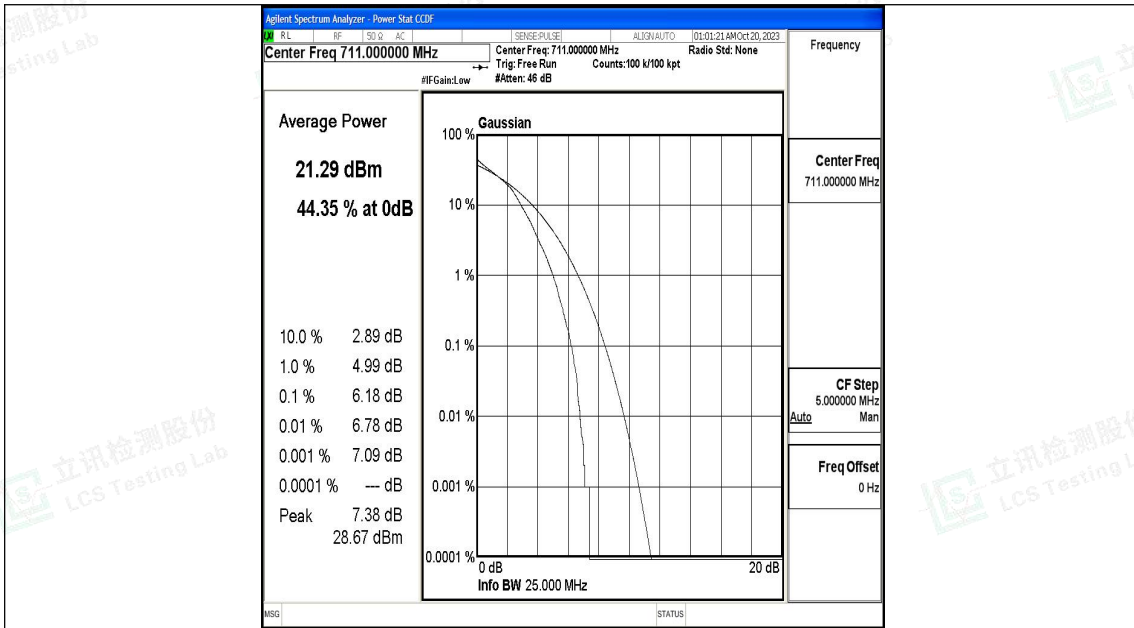
Band12-10MHz-16QAM-23060-50RB#0-PASS



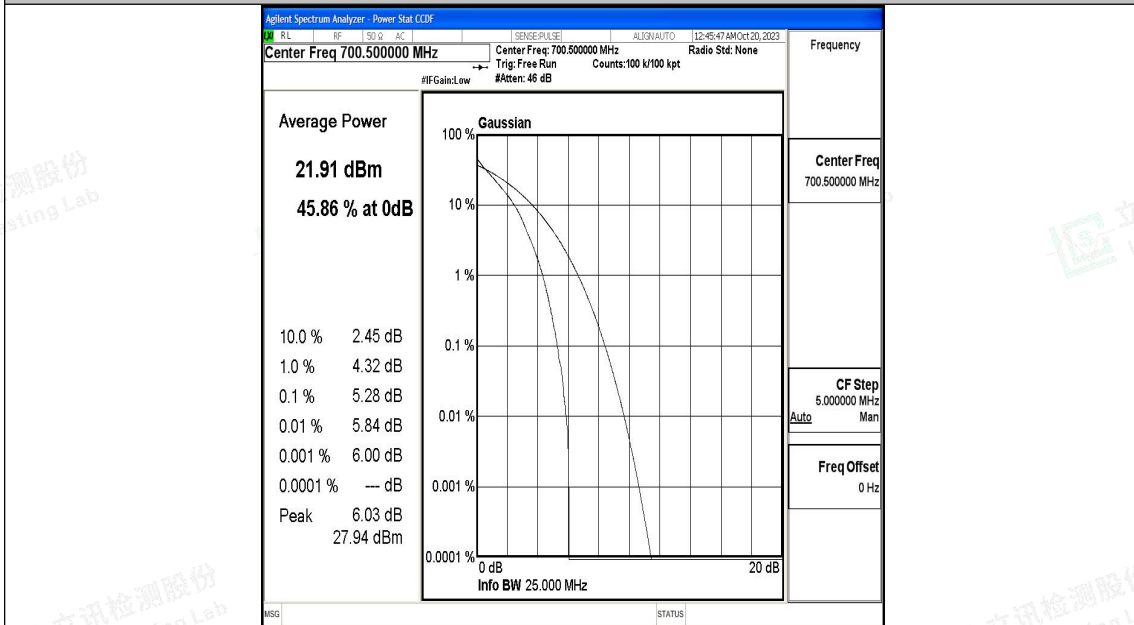
Band12-10MHz-QPSK-23095-50RB#0-PASS







Band12-10MHz-16QAM-23130-50RB#0-PASS



Band12-3MHz-QPSK-23025-15RB#0-PASS





I.3 26dB Bandwidth and Occupied Bandwidth

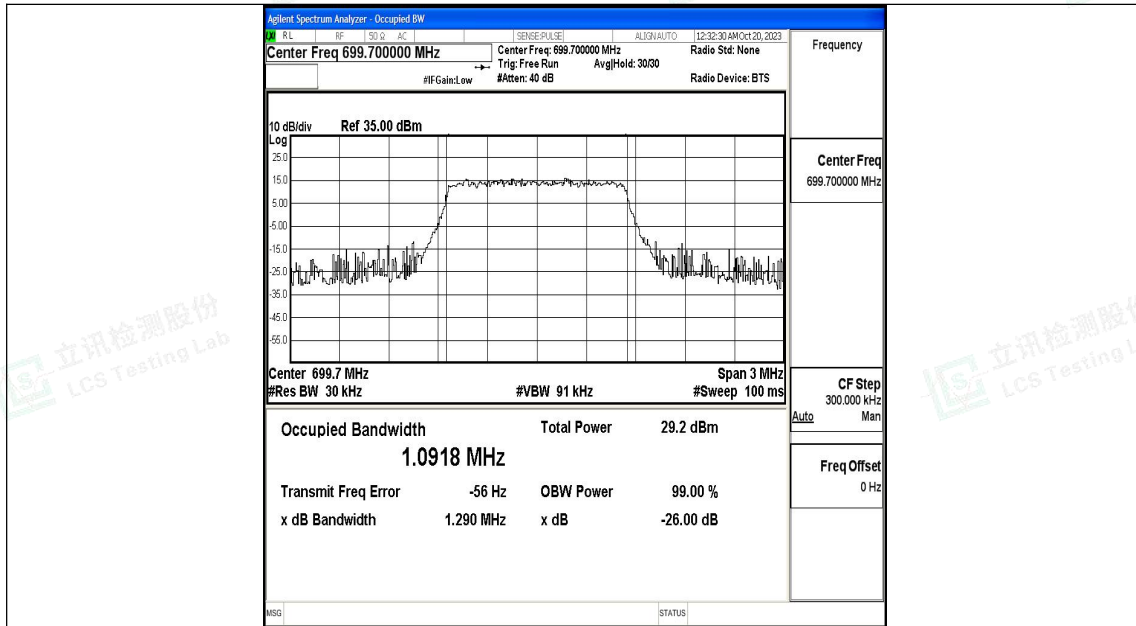
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0918	1.290	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0995	1.304	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0903	1.279	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0936	1.310	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0935	1.294	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0926	1.290	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6872	2.905	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6825	3.273	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6827	2.907	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6804	2.896	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6905	2.878	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6815	2.898	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5213	5.191	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5175	5.145	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5158	5.170	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5141	5.121	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5232	5.193	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5250	5.127	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0512	10.17	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0105	10.07	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0075	10.19	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0053	10.01	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0146	10.24	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9961	9.949	PASS

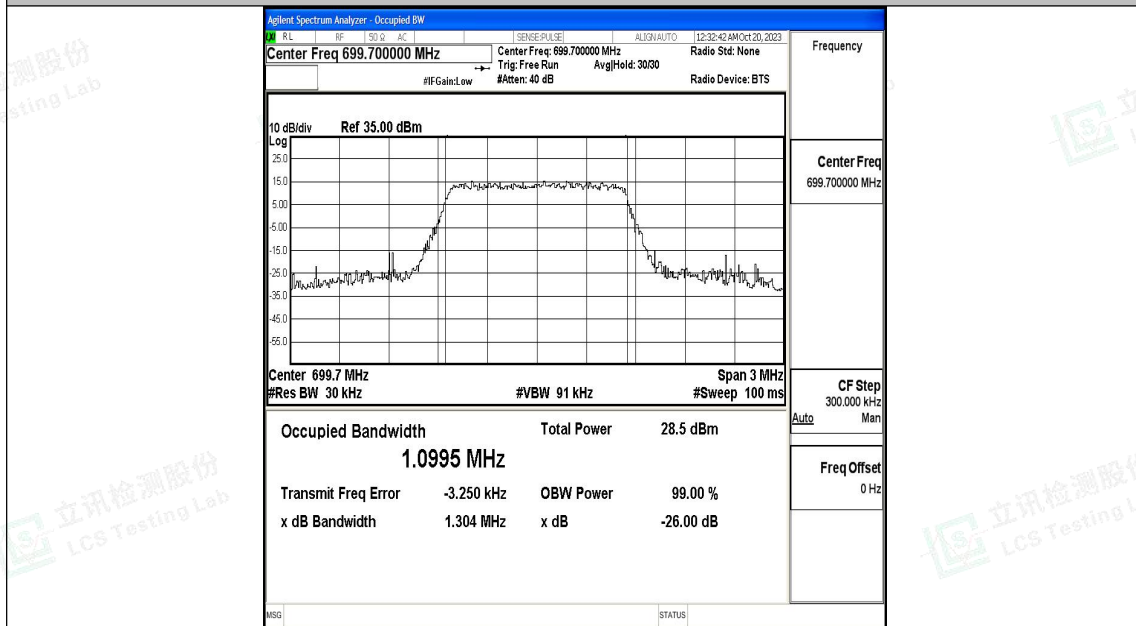




Test Graphs

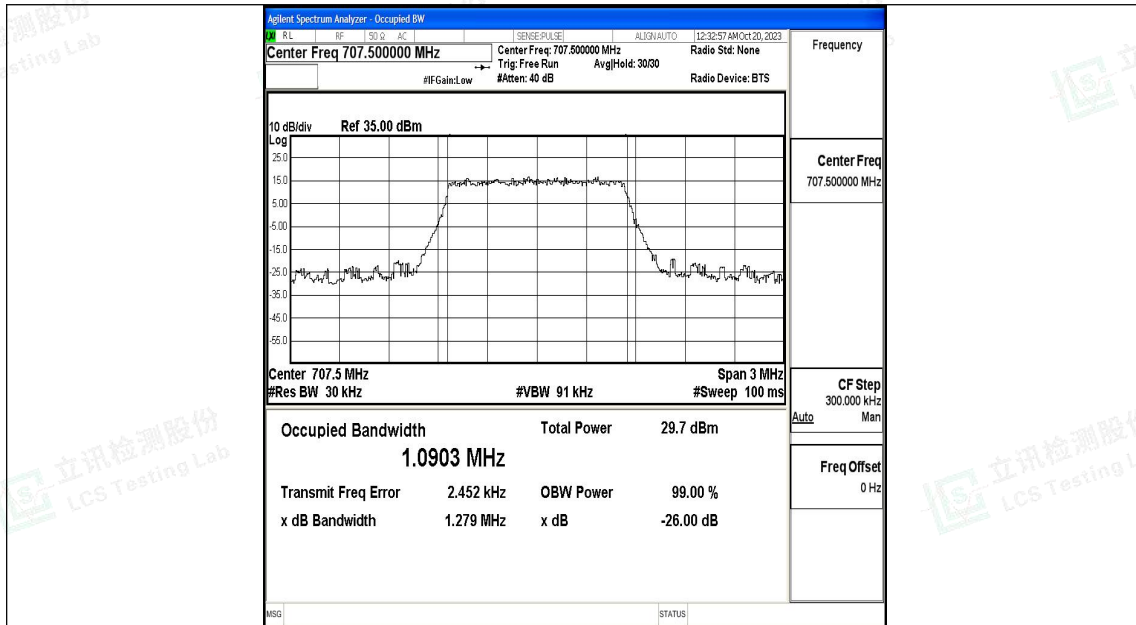


Band12-1.4MHz-QPSK-23017-6RB#0-PASS

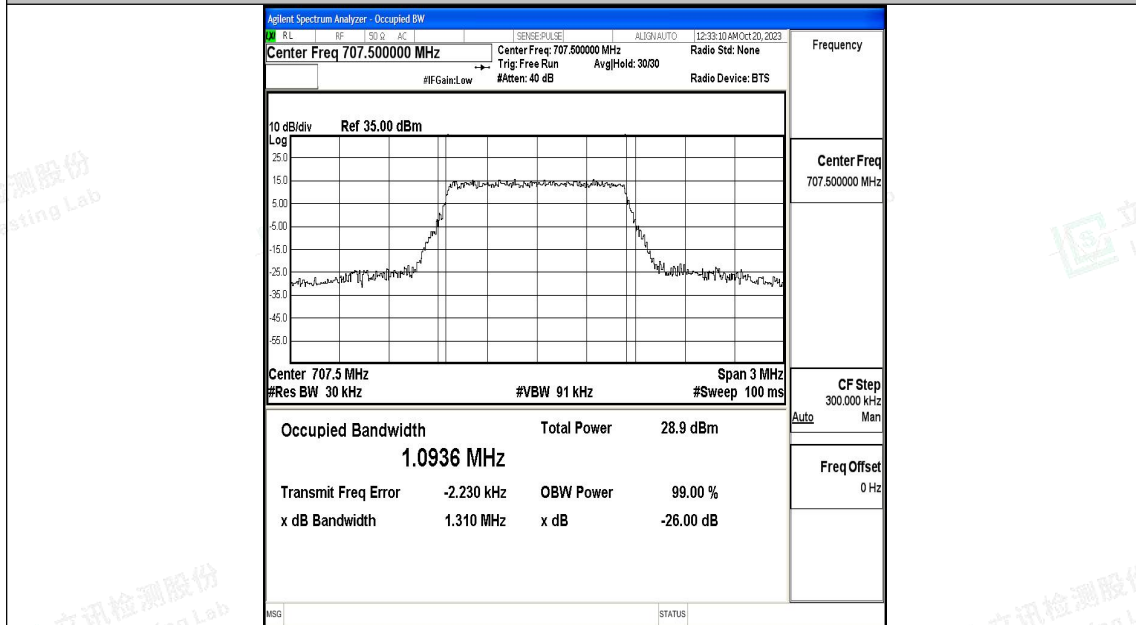


Band12-1.4MHz-16QAM-23017-6RB#0-PASS



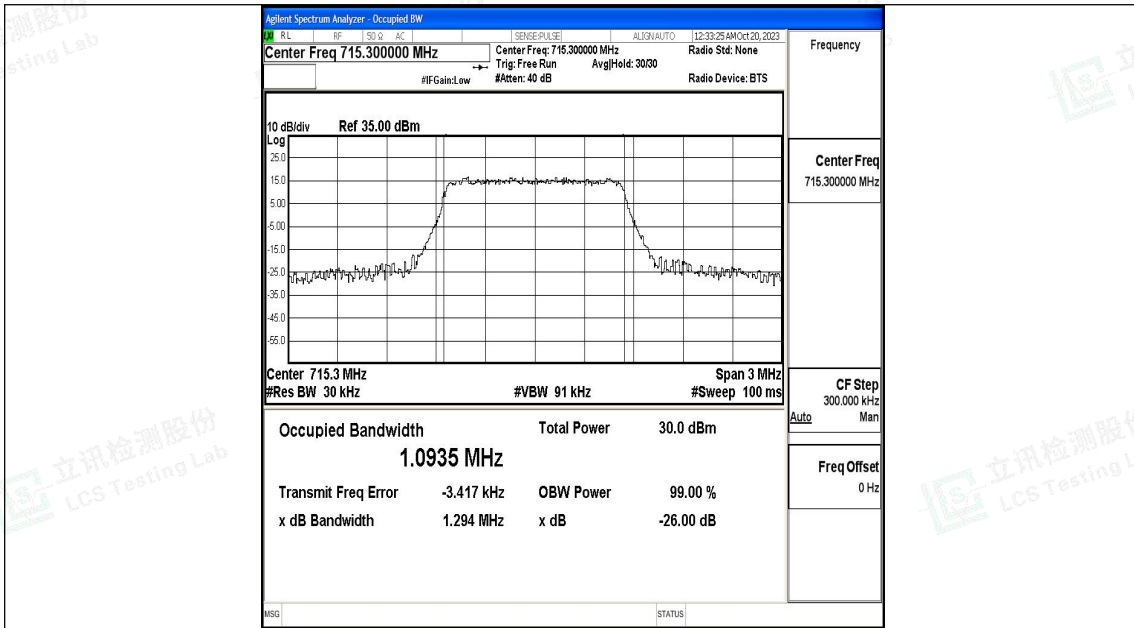


Band12-1.4MHz-QPSK-23095-6RB#0-PASS

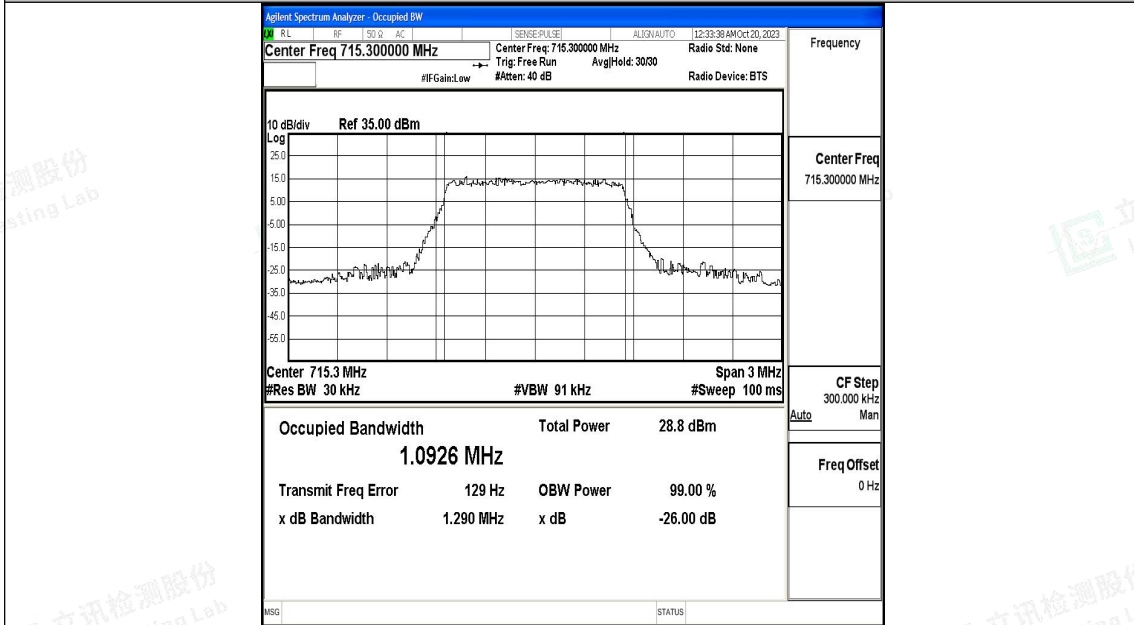


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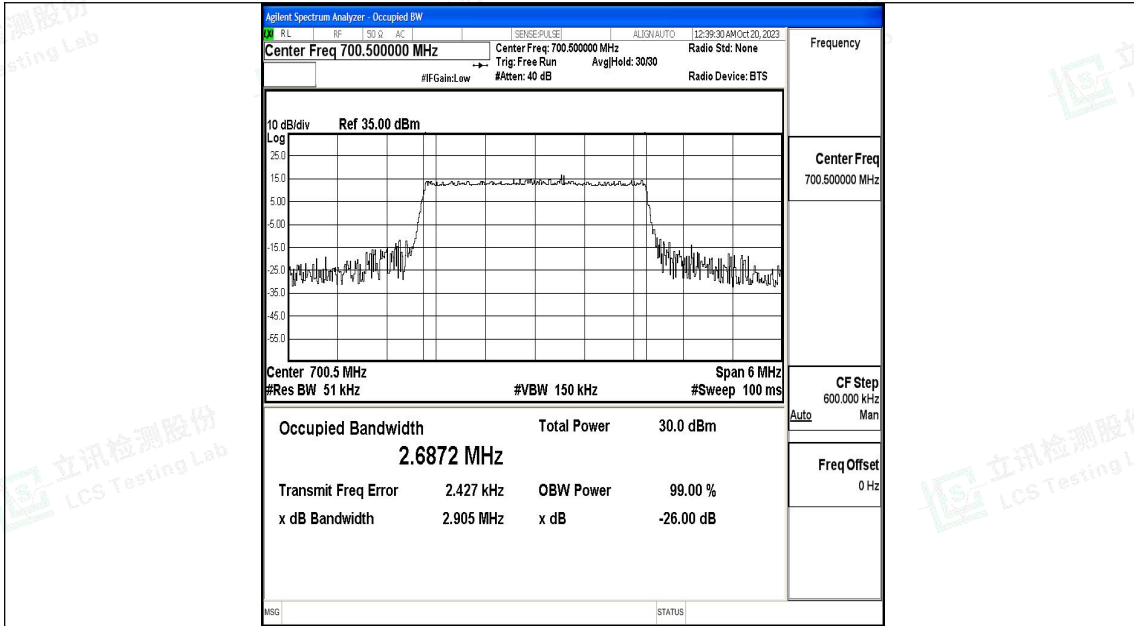


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

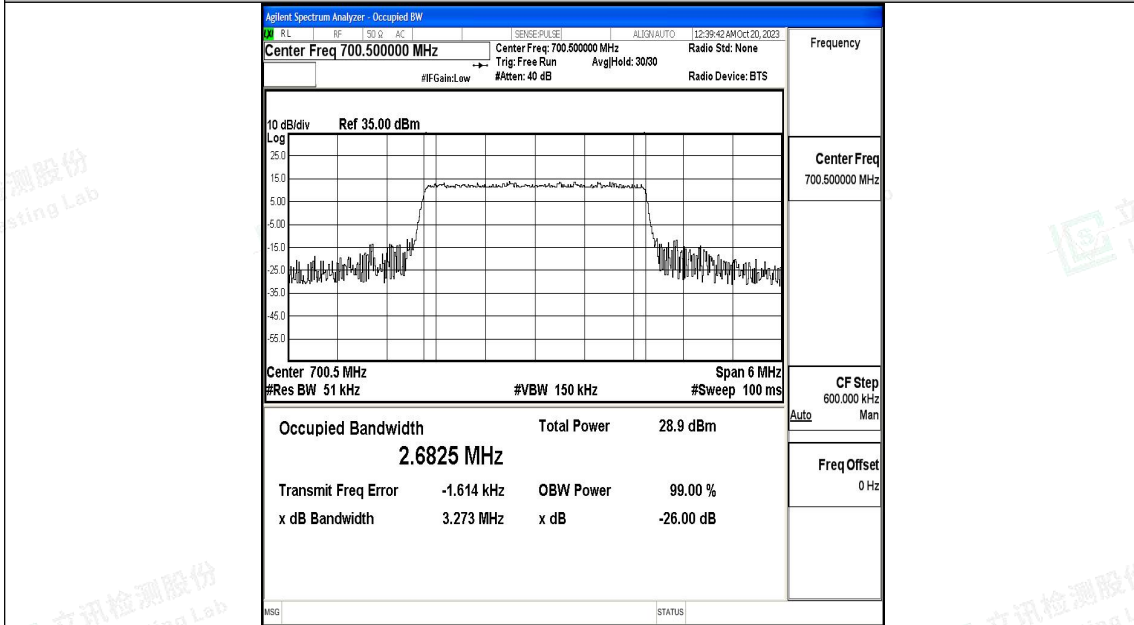


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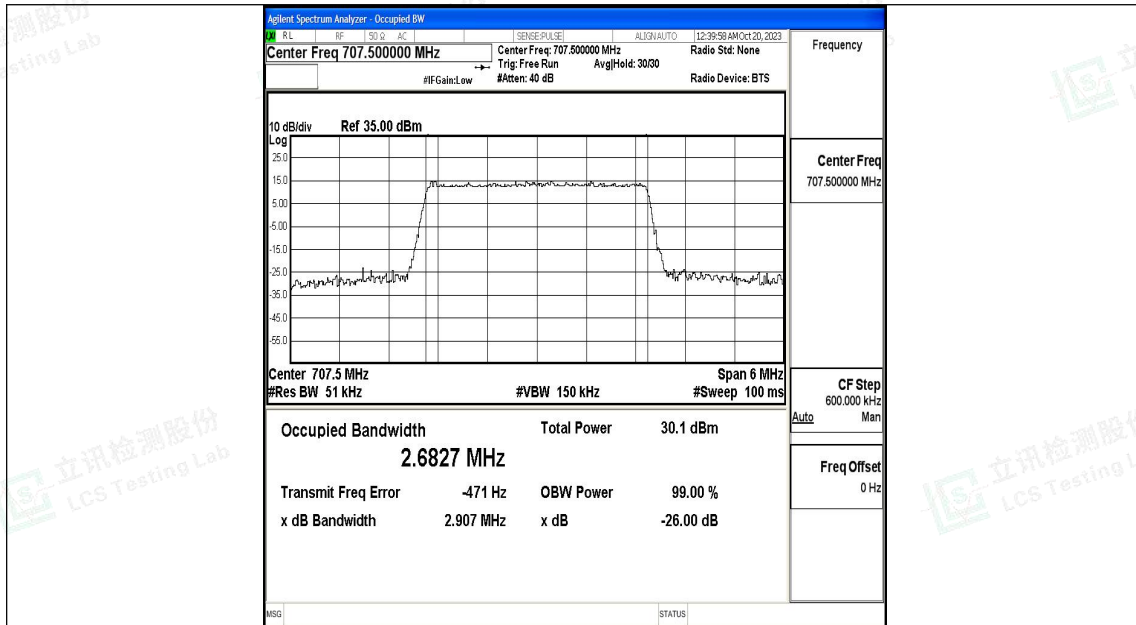


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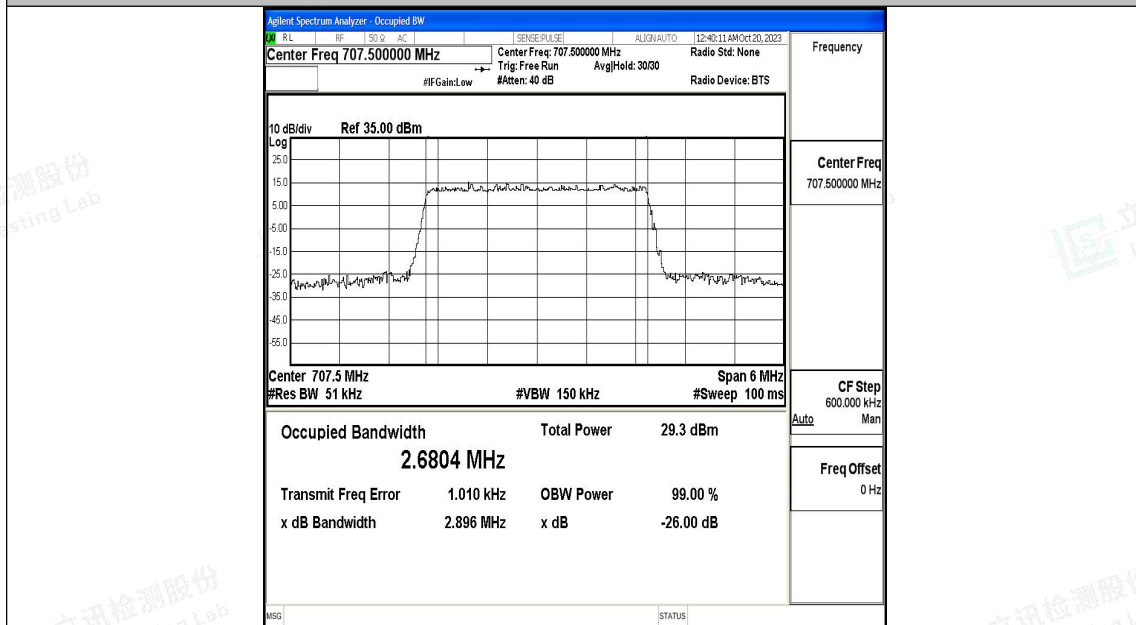


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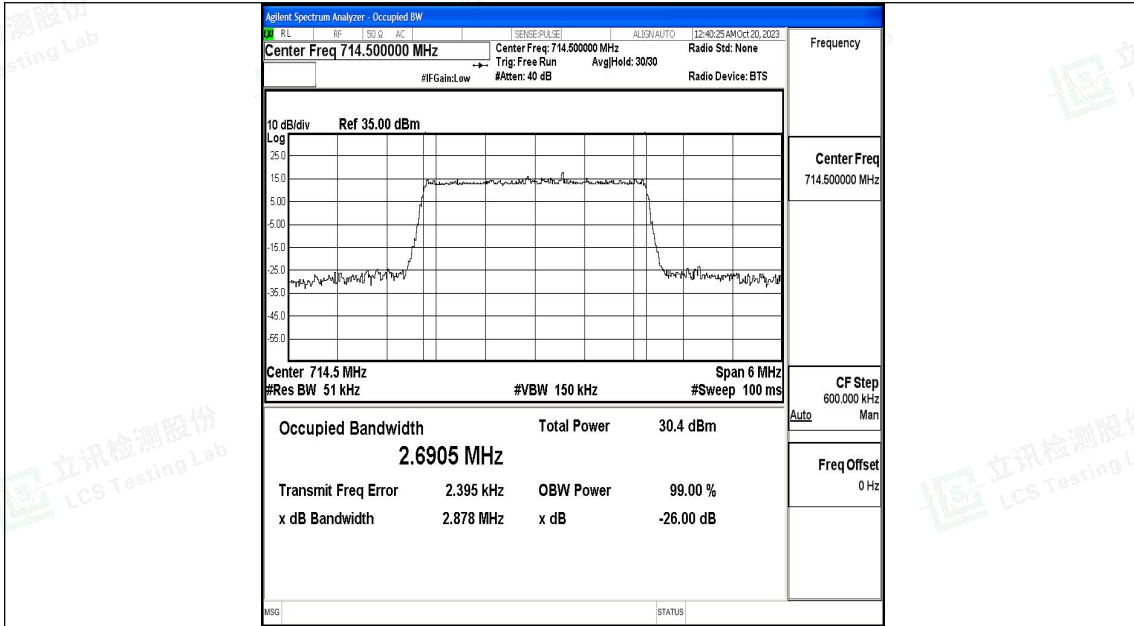


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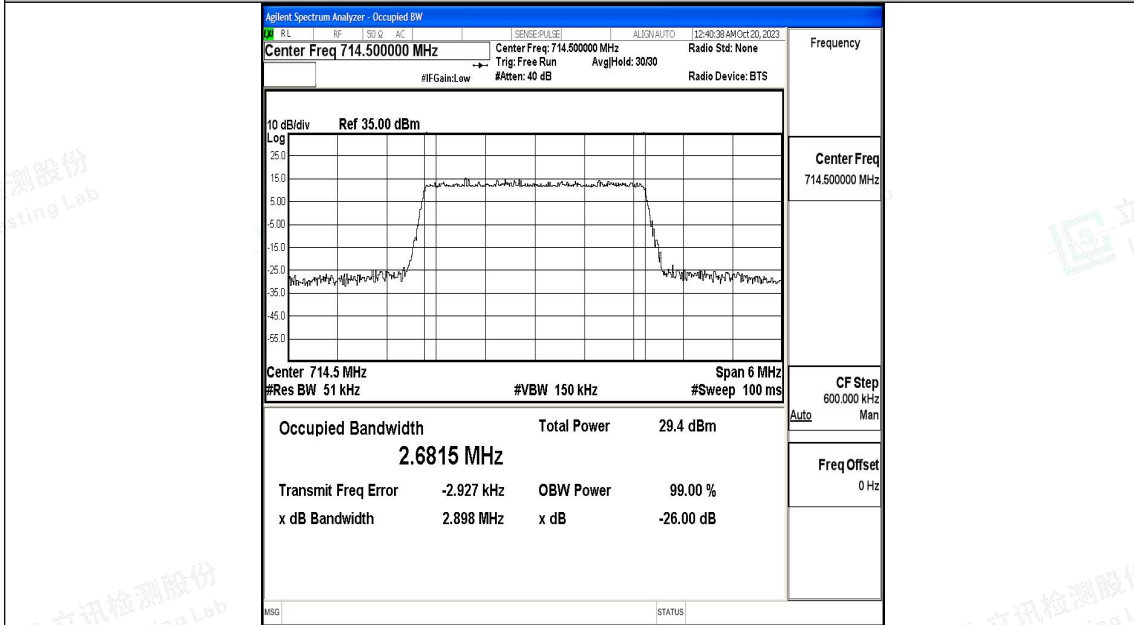


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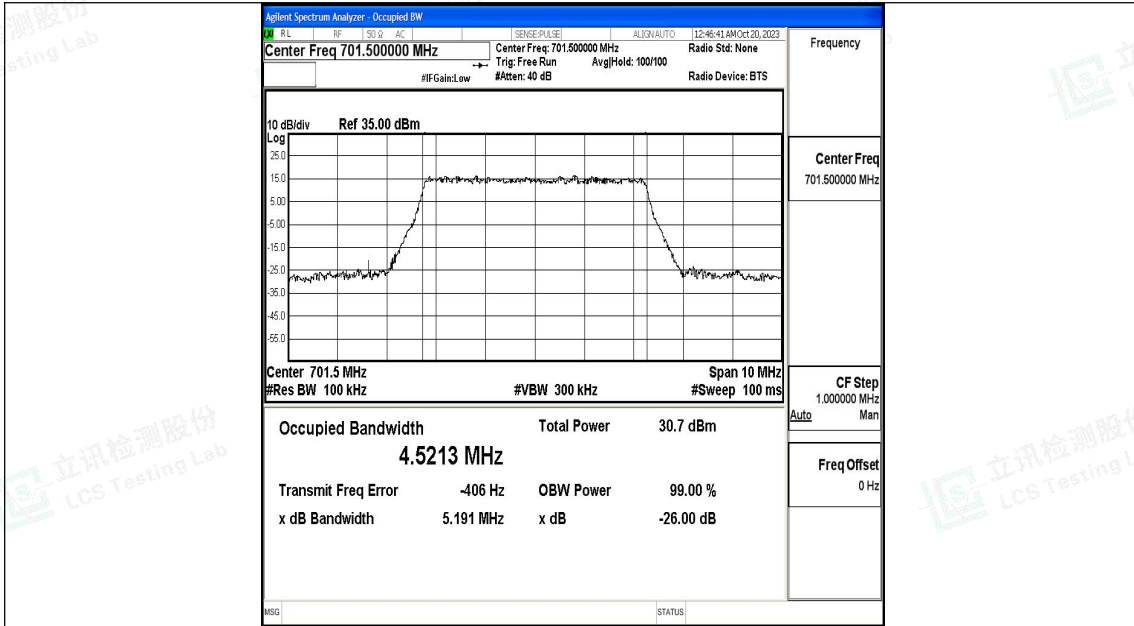


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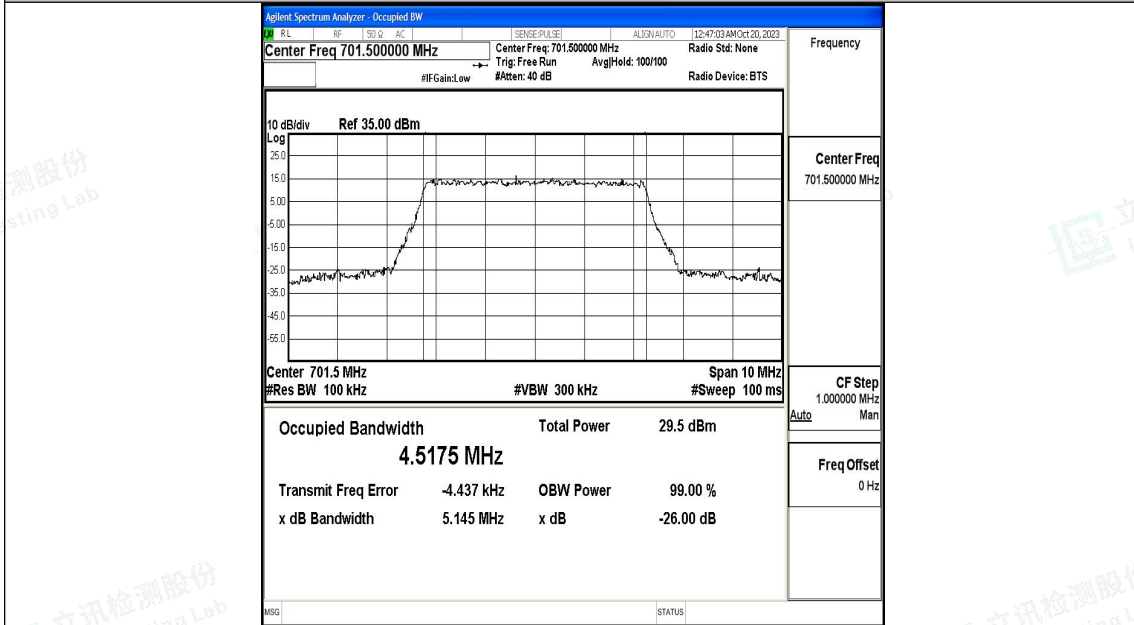


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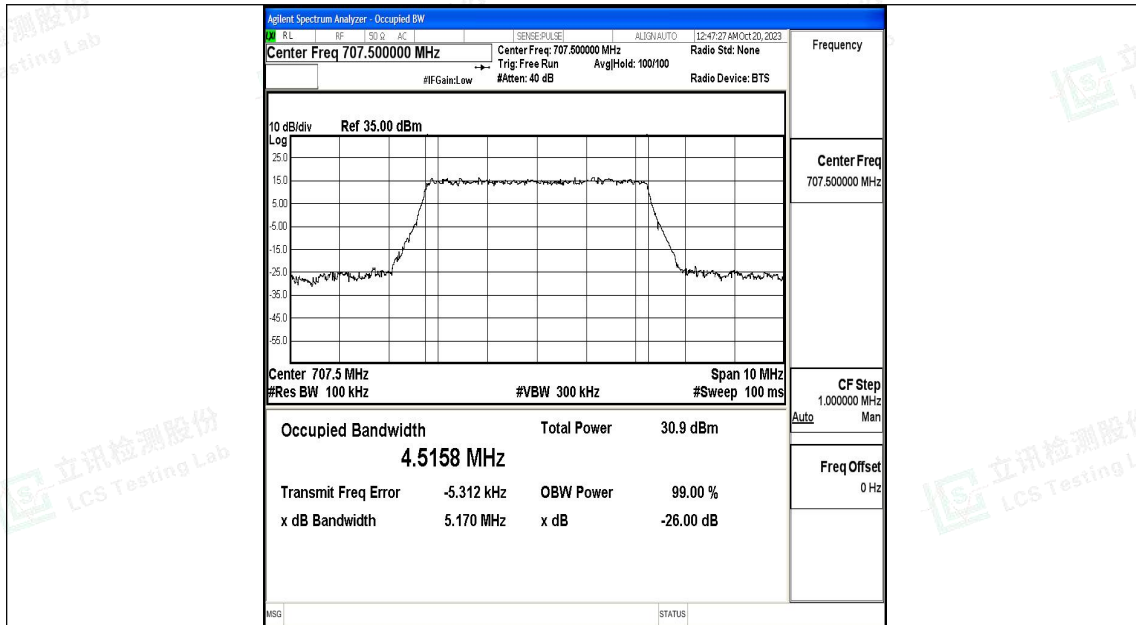


Band12-5MHz-QPSK-23035-25RB#0-PASS

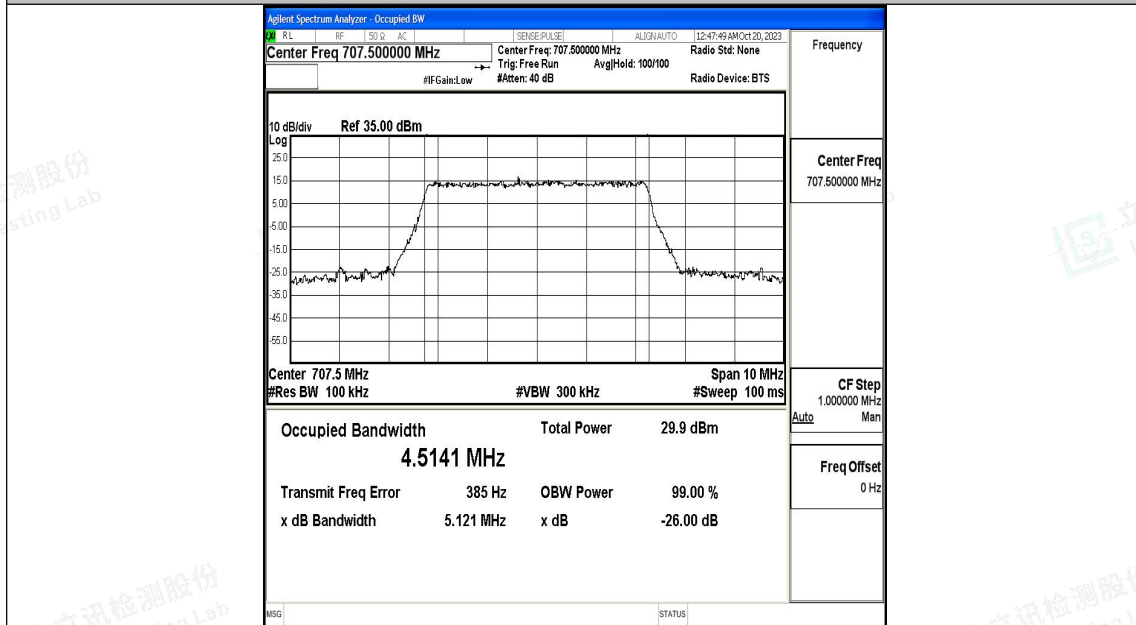


Band12-5MHz-16QAM-23035-25RB#0-PASS





Band12-5MHz-QPSK-23095-25RB#0-PASS



Band12-5MHz-16QAM-23095-25RB#0-PASS

